

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-11. (Canceled)

12. (Currently Amended) An air mixing damper apparatus comprising:
a mechanism provided between a plate door type air mixing damper for opening and closing an air introducing face of a heater core, and a rotation type lever of an actuator for driving the air mixing damper, the mechanism for adjusting rotational speed of the air mixing damper to linearly change the temperature of discharged air with respect to the operation of the lever of the actuator, said mechanism for adjusting rotational speed comprising:

a cam ~~provided in~~ connected to the air mixing damper and a pin provided on the lever of the actuator for engaging with said cam, said cam incorporating a guide path for guiding the pin of the lever of the actuator, and the guide path has a first guide path for effecting control at an initial opening stage of the air mixing damper, a second guide path for effecting control at an intermediate opening stage of the air mixing damper, and a third guide path for effecting control at a final opening stage of the air mixing damper, first guide path formed in a direction gradually separating outward with respect to a turning path of the pin of the lever of the actuator, in a fully closed position of the air mixing damper, and said third guide path formed in a direction gradually separating outward with respect to the turning path of the pin of the lever of the actuator, in a fully open position of the air mixing damper.

13. (Currently Amended) An air mixing damper apparatus comprising:

a mechanism provided between a plate door type air mixing damper for opening and closing an air introducing face of a heater core, and a rotation type lever of an actuator for driving the air mixing damper, the mechanism for adjusting rotational speed at an initial

opening stage and a final opening stage of the air mixing damper, to a speed lower than at an intermediate opening stage, said mechanism for adjusting rotational speed comprising:

a cam provided in connected to the air mixing damper and a pin provided on the lever of the actuator for engaging with said cam, said cam incorporating a guide path for guiding the pin of the lever of the actuator, and the guide path has a first guide path for effecting control at the initial opening stage of the air mixing damper, a second guide path for effecting control at the intermediate opening stage of the air mixing damper, and a third guide path for effecting control at the final opening stage of the air mixing damper, said first guide path formed in a direction gradually separating outward with respect to a turning path of the pin of the lever of the actuator, in a fully closed position of the air mixing damper, and said third guide path formed in a direction gradually separating outward with respect to the turning path of the pin of the lever of the actuator, in a fully open position of the air mixing damper.

14.-23. (Canceled)

24. (Previously Presented) An air mixing damper apparatus according to claim 12, characterized in that there is provided urging means for urging the pin of the lever of the actuator into the first guide path at least at an initial opening stage of the air mixing damper, and urging the pin of the lever of the actuator into the third guide path at least at a final opening stage of the air mixing damper.

25. (Previously Presented) An air mixing damper apparatus according to claim 13, characterized in that there is provided urging means for urging the pin of the lever of the actuator into the first guide path at least at an initial opening stage of the air mixing damper, and urging the pin of the lever of the actuator into the third guide path at least at a final opening stage of the air mixing damper.

26. (Previously Presented) An air mixing damper apparatus according to claim 13, characterized in that the range of the opening of the air mixing damper is from fully closed to around 15 degrees in said initial opening stage shows, while the range of the opening of the air mixing damper is from 20 degrees from fully open to fully open in the final opening stage.

27. (Previously Presented) An air conditioning apparatus for vehicles having an air conditioning unit provided with:

an inside air/outside air box incorporating an inside/outside air switching damper for opening an outside air introducing inlet and an inside air introducing inlet to selectively switch introduced air to one of inside air and outside air,

a blower unit having a blower fan for blowing the introduced air,

a cooler unit fitted with an evaporator for exchanging heat between a refrigerant and said introduced air passing therethrough, and

CJ^x

a heater unit having a heater core provided inside a heater unit case for heating the introduced air passing therein, an air mixing damper apparatus for adjusting the flow quantity of said introduced air which passes through said heater core, and a plurality of air outlets opening from said heater unit case and respectively provided with dampers, characterized in that said air mixing damper apparatus is an air mixing damper apparatus according to claim 12.

28. (Previously Presented) An air conditioning apparatus for vehicles having an air conditioning unit provided with:

an inside air/outside air box incorporating an inside/outside air switching damper for opening an outside air introducing inlet and an inside air introducing inlet to selectively switch introduced air to one of inside air and outside air,

a blower unit having a blower fan for blowing the introduced air,

a cooler unit fitted with an evaporator for exchanging heat between a refrigerant and said introduced air passing therethrough, and

a heater unit having a heater core provided inside a heater unit case for heating the introduced air passing therein, an air mixing damper apparatus for adjusting the flow quantity of said introduced air which passes through said heater core, and a plurality of air outlets opening from said heater unit case and respectively provided with dampers, characterized in that said air mixing damper apparatus is an air mixing damper apparatus according to claim 13.